

Serial No. 10/527,579  
Art Unit 2625

PD020089  
Customer No. 24498

### CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application

Claims 1-14 (previously cancelled)

Cancel Claim 15-17

Claims 18-19 (previously cancelled)

20. (Currently amended) ~~Apparatus according to Claim 16,~~ Apparatus for correcting color video signals, comprising:

a matrix, through which the color video signals pass to control the proportions of three primary colors in matrixed color value signals,

means for controlling the matrix as a function of hue of the color video signals respectively,

means for controlling the matrix as a function of color saturation;

memories for storing information which the matrix uses to control the color value signals;

a converter for generating a hue signal from the color video signals, the hue signal connected to inputs of the memories;

wherein the matrix comprises nine multipliers and three adders,

wherein three of the nine multipliers are connected to one adder, respectively,

wherein the memories store coefficients of the matrix that are set as a function of hue of the color video signals; and

wherein the converter generates a color saturation signal from the color video signals, supplied to multipliers located in the supply lines of the correction values to the matrix.

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21. (Currently amended) ~~Apparatus according to Claim 17, Apparatus for correcting color video signals, comprising:~~

a matrix, through which the color video signals pass to control the proportions of three primary colors in matrixed color value signals,

means for controlling the matrix as a function of hue of the color video signals respectively,

means for controlling the matrix as a function of color saturation;

memories for storing information which the matrix uses to control the color value signals;

a converter for generating a hue signal from the color video signals, the hue signal connected to inputs of the memories;

wherein the matrix comprises nine multipliers and three adders,

wherein three of the nine multipliers are connected to one adder, respectively,

wherein the memories store coefficients of the matrix that are set as a function of hue of the color video signals;

wherein the memories store correction values for coefficients of the matrix, wherein the correction values are set as a function of hue of the color video signals; and

wherein the converter generates a color saturation signal from the color video signals, supplied to multipliers located in the supply lines of the correction values to the matrix.

Cancel claims 22-26

Claim 27 (previously cancelled)

Cancel claims 28-29

Claims 30-31 (previously cancelled)

Cancel claims 32-35